

CLAIMS

What is claimed is:

1. A transportable security portal (10) for screening potential terrorists, the portal (10) comprising:
 - a. a portal entry wall (12), a portal exit wall (18), opposed portal side walls (14, 16) and a roof (20) cooperatively secured to each other to define an interior (30) of the security portal (10), the entry, exit and side walls (12, 18, 14, 16) being bullet-resistant, bomb-blast-proof and at least partially transparent, and including a portal entry door (22), a portal exit door (24) and a security access door (26);
 - b. monitoring means including sensors (32, 34) for monitoring an individual within the interior (30) of the security portal (10) for detecting weapons and hazardous materials;
 - c. a security monitoring station (36) adjacent the security access door (26) dimensioned to house security personnel to monitor the individual within the interior (30) of the security portal (10);
 - d. a bomb-blast enclosure (66) secured to the security portal (10) including a bomb-blast flap (68) and an expandable bomb-blast containment balloon (70) secured within the enclosure (66) so that upon detonation of a bomb within the interior (30) of the security portal (10) the bomb-blast flap (68) opens by expansion of bomb-blast generated gases thereby permitting passage of bomb-blast gases and any hazardous materials through the bomb-blast enclosure (66) past the bomb-blast flap (68)

35 and into the bomb-blast containment balloon
(70) outside of the security portal (10) for
containment within the bomb-blast balloon (70)
of the bomb-blast gases and any hazardous
materials; and,

40 e. a door lock controller means (72) for
controlling locking and unlocking of the portal
entry door (22, portal exit door (24), and
security access door (26) so that the
individual within the interior (30) of the
security portal (10) may not exit the portal
(10) during monitoring of the individual.

2. The transportable security portal (10) of claim 1,
further comprising a positive draft ventilation-
filtration system (74) secured in fluid communication
with the interior (30) of the portal (10) for directing
5 all air within the interior (30) of the portal (10)
through a microscopic particle filter within the system
(74).

3. The transportable security portal (10) of claim 1,
wherein sensors (32) of the monitoring means are at least
partially secured within the ventilation-filtration
system for detecting harmful materials within the air
5 passing through the ventilation-filtration system.

4. The transportable security portal (10) of claim 1,
further comprising a personal belongings conveyor (50)
secured within the security monitoring station (36)
including a personal belongings monitoring device (52)
5 adjacent the conveyor (50) for monitoring personal
belongings moving along the conveyor (50).

5. The transportable security portal (10) of claim 1,
further comprising the security portal (10) being mounted

upon a trailer (54) for facilitating transport of the portal (10) to an area of high security demand.

6. The transportable security portal (10) of claim 1, further comprising a back-up power generator and battery system (76) secured to the portal (10) for supplying electricity to the portal (10) whenever electricity is
5 not available from utility lines.

7. The transportable security portal (10) of claim 1, wherein the security monitoring station (36) includes a security entry wall (40), a security exit wall (44), and a security side wall (46) that are pivotally secured to a
5 security monitoring station floor (56), and the security portal (10) defines a portal floor cavity (59) dimensioned to receive the security entry wall (40), security exit wall (44), security side wall (46) and security monitoring station floor (56) whenever the
10 security entry wall (40), exit wall (44), and side wall (46) are pivoted onto the security monitoring station floor (56).

8. The transportable security portal (10) of claim 7, wherein the security monitoring station (36) includes a security roof (48) that is pivotally secured to a side wall (16) of the portal (10) so that the roof may be
5 stored adjacent the side wall (16) whenever the security entry wall (40), security exit wall (44), and security side wall (46) and security monitoring station floor (56) are stored within the portal floor cavity (59).

9. A transportable security portal (10) for screening potential terrorists, the portal (10) comprising:

a. a portal entry wall (12), a portal exit wall (18), opposed portal side walls (14, 16), a
5 portal roof (20) and a portal floor (28)

cooperatively secured to each other to define an interior (30) of the security portal (10), the entry wall (12), exit wall (18) side walls (14, 16), portal roof (20) and portal floor (28) being bullet-resistant, bomb-blast-proof and at least partially transparent, and including a portal entry door (22), a portal exit door (24) and a security access door (26);

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b. monitoring means including sensors (32, 34) for monitoring an individual within the interior (30) of the security portal (10) for detecting weapons and hazardous materials;

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c. a security monitoring station (36) adjacent the security access door (26) dimensioned to house security personnel to monitor the individual within the interior (30) of the security portal (10);

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d. a bomb-blast enclosure (66) secured to the security portal (10) including a bomb-blast flap (68) and an expandable bomb-blast containment balloon (70) secured within the enclosure (66) so that upon detonation of a bomb within the interior (30) of the security portal (10) the bomb-blast flap (68) opens by expansion of bomb-blast generated gases thereby permitting passage of bomb-blast gases and any hazardous materials through the bomb-blast enclosure (66) past the bomb-blast flap (68) and into the bomb-blast containment balloon (70) outside of the security portal (10) for containment within the bomb-blast balloon (70) of the bomb-blast gases and any hazardous materials; and,

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e. a door lock controller means (72) for controlling locking and unlocking of the portal entry door (22, portal exit door (24), and

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security access door (26) so that the individual within the interior (30) of the security portal (10) may not exit the portal (10) during monitoring of the individual.

10. The transportable security portal (10) of claim 9, further comprising a positive draft ventilation-filtration system (74) secured in fluid communication with the interior (30) of the portal (10) for directing all air within the interior (30) of the portal (10) through a microscopic particle filter within the system (74).

11. The transportable security portal (10) of claim 10, wherein sensors (32) of the monitoring means are at least partially secured within the ventilation-filtration system for detecting harmful materials within the air passing through the ventilation-filtration system.

12. The transportable security portal (10) of claim 11, further comprising a personal belongings conveyor (50) secured within the security monitoring station (36) including a personal belongings monitoring device (52) adjacent the conveyor (50) for monitoring personal belongings moving along the conveyor (50).

13. The transportable security portal (10) of claim 12, further comprising the security portal (10) being mounted upon a trailer (54) for facilitating transport of the portal (10) to an area of high security demand.

14. The transportable security portal (10) of claim 13, further comprising a back-up power generator and battery system (76) secured to the portal (10) for supplying electricity to the portal (10) whenever electricity is not available from utility lines.

15. The transportable security portal (10) of claim 14,
wherein the security monitoring station (36) includes a
security entry wall (40), a security exit wall (44), and
a security side wall (46) that may be pivoted onto a
5 security floor (56), and the security portal (10) defines
a portal floor cavity (59) dimensioned to receive the
security entry wall (40), security exit wall (44),
security side wall (46) and security monitoring station
floor (56).

16. The transportable security portal (10) of claim 15,
wherein the security monitoring station (36) includes a
security roof (48) that is pivotally secured to a side
wall (16) of the portal (10) so that the roof may be
5 stored adjacent the side wall (16) whenever the security
entry wall (40), security exit wall (44), and security
side wall (46) and security monitoring station floor (56)
are stored within the portal floor cavity (59).